



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

WVDP Project Update

John Rendall
Deputy General Manager

Quarterly Public Meeting
November 13, 2019



U.S. DEPARTMENT OF
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MANAGEMENT**

Under Secretary Paul Dabbar Visits WVDP





WVDP receives VPP Star of Excellence Award from Dae Chung (right), DOE-EM Deputy Assistant Secretary - Safety, Security, and Quality Assurance

Metric	September 2019 12-Month Rolling Average
TRC (12-Month Rolling Average)	1.41
DART (12-Month Rolling Average)	0.71
Last Lost Time Case Recordable	June 2019
Last Recordable Injury	March 2019

Milestone 1

- Complete relocation of 278 HLW canisters to Long-term Interim Storage (Completed February 2017)

Milestone 2

- Process, ship, dispose of all Legacy Waste, not including Transuranic Waste (Completed September 2018)

Milestone 3

- Demolish and remove the Vitrification Facility and Main Plant Process Building (Deactivation ongoing, DOE is reviewing input from CHBWV regarding MPPB demolition – previously deferred)

Milestone 4

- Complete all work in Performance Work Statement, including Balance of Site Facilities, Surveillance and Maintenance, and Site Operations (Ongoing)

Deactivation and Demolition Progress

- Milestone 3 - Main Plant Process Building Deactivation – 98% Completed
- Milestone 4 - Balance of Site Facilities Demolition – 44 of 47 Facilities Completed and Areas Restored (94%)



New Work Scope

- MPPB New Scope (added when Main Plant demolition was deferred):
 - General Purpose Cell (GPC) Crane Room (GCR)/GPC Operating Aisle – Continued scraping and sweeping of floor debris in preparation for loadout into drum liners.
 - Product Purification Cell-South (PPC-S) – Continued the installation of a trolley beam in the ceiling, and continued setting up equipment in Product Purification Packaging and Handling for Nitrocision®.
 - Fuel Receiving and Storage (FRS) Facility – Continued Asbestos-Containing Material removal which includes glove bagging, wrapping, and cutting of sections of piping in the high bay area east of the pool (605 linear feet removed). Removed interferences (piping) around the north roll-up door to provide access for ACM removal.



Nitrocision® mock-up used for testing and training

Demolition of 7 Ancillary Support Structures – Milestone 3

- Four out of seven buildings have been completed:
 - Contact-Size Reduction Facility
 - Manipulator Repair Shop
 - Laundry Facility
 - Utility Room Extension
- Next demolitions:

	<u>Schedule</u>
• Main Plant Office	Started 10/15/19
• Utility Room	January 2020
• Load-In	July 2020



An excavator with a shear attachment is used to demolish the Main Plant Office Building

NOTE: Main Plant Office demolition 60% Complete

Demolition of Main Plant Office Building – Milestone 3

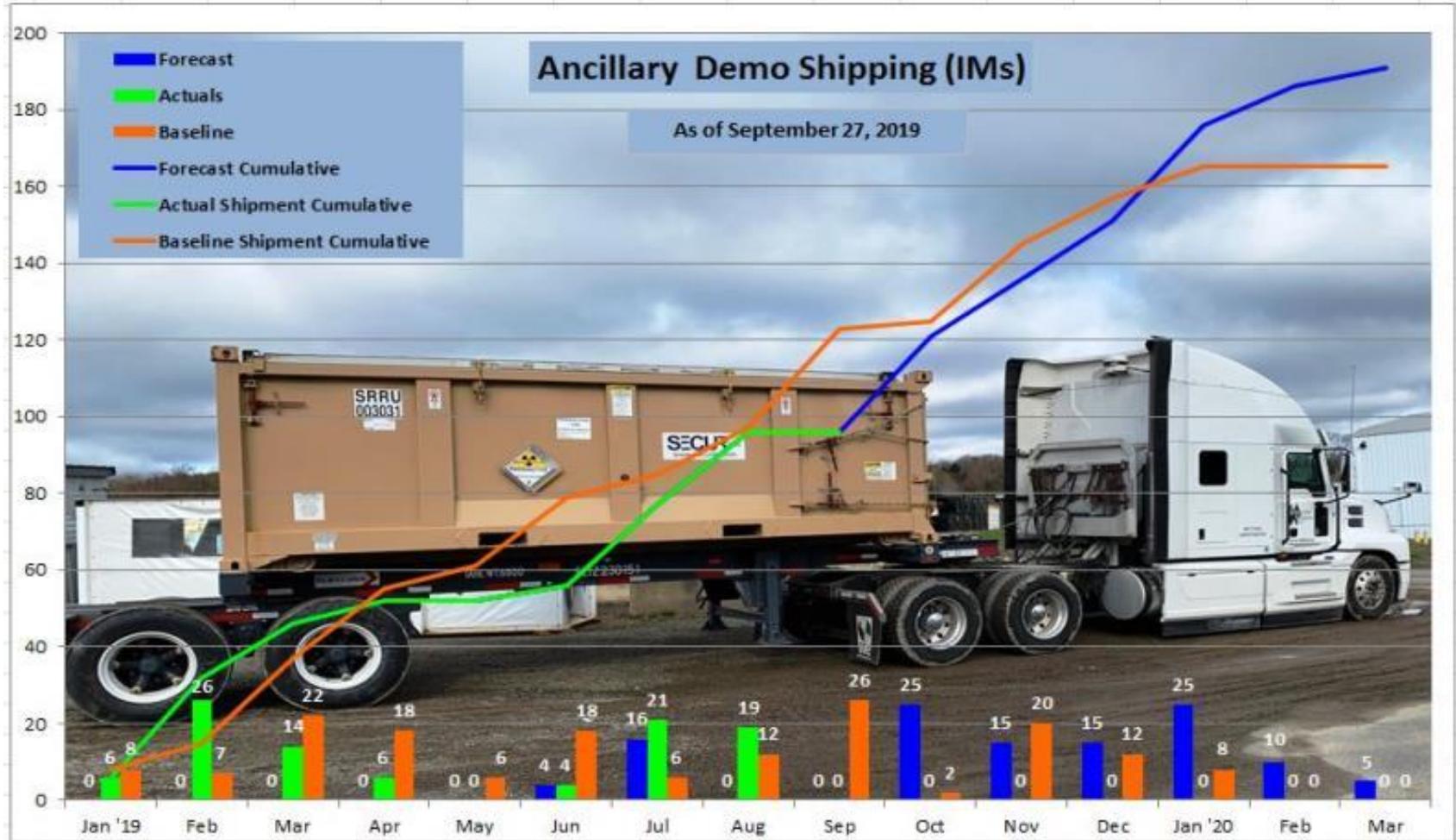
October 15



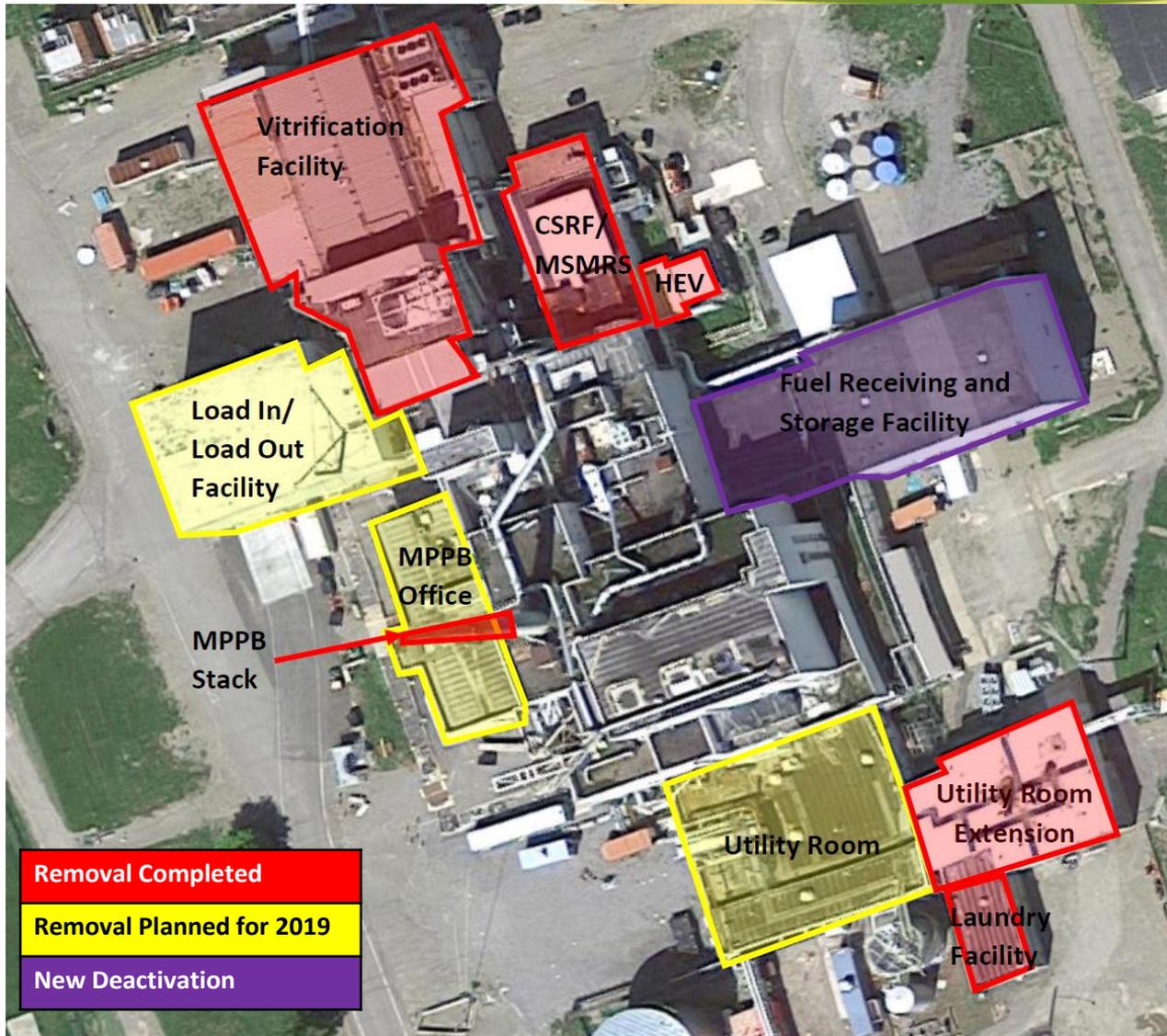
October 29



Ancillary Support Buildings Demolition Debris Shipping



Demolitions and Deactivations – Milestone 3



Balance of Site Facilities (BOSF) and Infrastructure – Milestone 4

- Performing deactivation to support removal of 47 Balance of Site Facilities
 - Completed armoring the north slope of the NRC-Licensed Disposal Area (NDA)
 - Completed Erdman Brook erosion repair
 - Completed Waste Tank Farm Equipment Shelter demolition
 - 44 facilities demolished and areas restored
- Reconfiguring infrastructure for facility demolition and future site needs
 - New electrical switchgear station (Phase 2)
 - Connected to National Grid's new 34.5 kV feed line on August 23



An excavator is used to demolish the
Waste Tank Farm Equipment Shelter

NDA Armoring Work Scope



Vitrification Storage Vault Demolition – Milestone 4

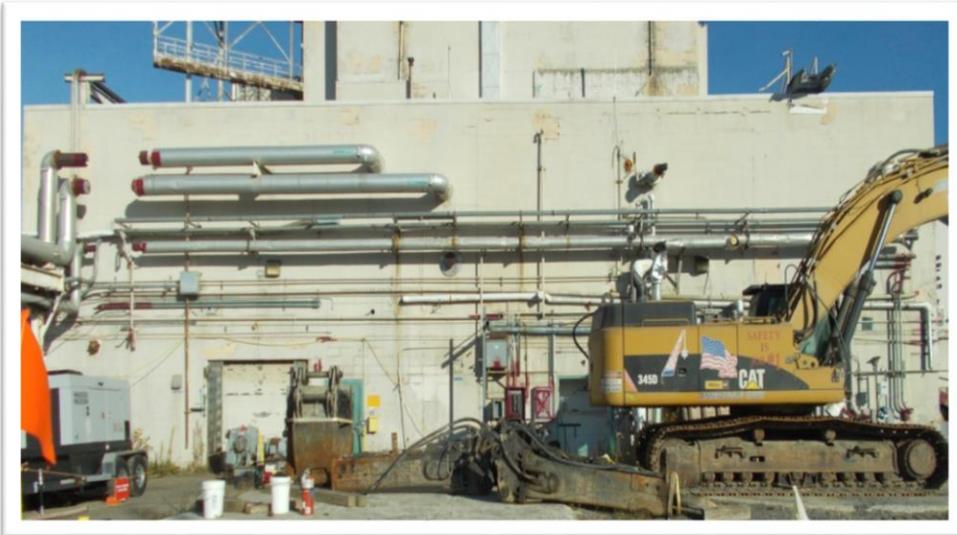


Chemical Process Cell-Waste Storage Area Demolition – Milestone 4



Upcoming Demolitions

- Utility Room



- Load-In

